

United States Department of Agriculture National Agricultural Statistics Service

Minnesota Ag News - Crop Weather



Issue No: CW-43-12

USDA, NASS, Minnesota Field Office P.O. Box 7068 – St. Paul, MN 55107 (651) 201-6030 · (651) 201-6479 FAX

Email: nass-mn@nass.usda.gov - Homepage: http://www.nass.usda.gov

Released: October 31, 2012

COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

HARVEST NEARLY COMPLETE, AHEAD OF FIVE-YEAR AVERAGE PACE

Minnesota farmers nearly wrapped up harvest this past week, according to the USDA, NASS, Minnesota Field Office. Despite mixed precipitation of rain and snow during the week, harvest of corn, sunflowers, and sugarbeets neared completion. As of October 28, corn was 98 percent harvested, compared to 89 percent last year, and 58 percent for the five-year average. Sunflowers were 99 percent harvested, compared to 85 percent last year, and 61 percent average. The sugarbeet harvest was 93 percent complete, compared to 99 percent last year, and 92 percent average.

For the week ending October 28, 4.2 days were rated suitable for fieldwork. Mixed precipitation during the week increased moisture supplies statewide. All reporting stations recorded precipitation, although amounts were lighter in western areas. Over an inch was recorded at most reporting stations in southeastern areas. Topsoil moisture supplies were rated 27 percent very short, 42 percent short, 29 percent adequate, and 2 percent surplus. Subsoil moisture supplies were rated 47 percent very short, 41 percent short, and 12 percent adequate.

Range and pasture condition was rated 33 percent very poor, 32 percent poor, 26 percent fair, and 9 percent good.

The following links provides further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week: http://climate.umn.edu/doc/weekmap.asp

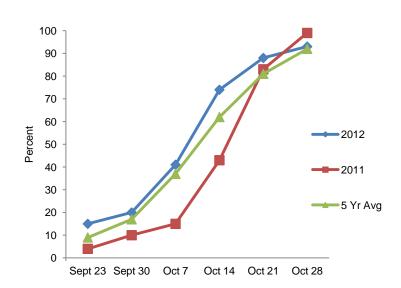
National Weather Service's Minnesota Data: http://www.nws.noaa.gov/view/states.php?state=MN

Days Suitable for Fieldwork: 4.2							
	Very Short Short Adequate Surplus						
Topsoil Moisture	27	42	29	2			
Subsoil Moisture	47	41	12	0			

Crop Progress as of October 28, 2012							
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg		
		Percent					
Corn	Harvested	98	96	89	58		
Sugarbeets	Harvested	93	88	99	92		
Sunflowers	Harvested	99	96	85	61		

Condition as of October 28, 2012							
	Very Poor	Poor	Fair	Good	Exc		
	Percent						
Pasture	33	32	26	9	0		

Sugarbeets Harvested



This issue of the Weekly Crop Weather Report is the last for the 2012 growing season. We will not issue a monthly report from this office. We will begin publishing this weekly report in April when spring field activities begin.

We would like to thank all of the individuals who reported their local crop conditions and crop progress this season. Their efforts made this weekly publication possible. We would also like to thank the Minnesota Climatology Working Group for providing data on temperature, precipitation, and growing degree days.

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING October 28, 2012: Temperatures averaged from 2.3 degrees below normal in the Northwest District to 3.9 degrees above normal in the Southeast District. Extremes: 14 degrees in Pipestone; 74 degrees in Winnebago. Average precipitation ranged from 0.29 inch below normal in the West Central District to 0.86 inch above normal in the Southeast District. Greatest weekly total of 1.81 inches was recorded in Grand Marais.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; http://climate.umn.edu/doc/weekmap.asp.

Precipitation and Temperature Summary for 10/22/2012 through 10/28/2012

	riccipicación a				_				Lough Lo
Num Num			Temp	peratu	re	P:	recipit	tation	
No		High	Low	Week	Depart	Week	Depart	t From	Norm
NW DIST 1 Crookston 53				Ave	from	Total	Past I	Four S	Since
Crookston					Norm		Week W	Weeks	4/1
Crookston	NW DIST 1								
Name		53	24	37.5	-1.2	.27	15	1.04	-5.34
Moorhead									
Warroad Name									
NC DIST 2 Grand Rapids									
Grand Rapids 56 25 37.9 -1.6 .59 .03 -1.26 5.17 Intl. Falls 52 15 35.6 -1.4 1.12 .72 .94 -1.15 NE DIST 3 Uluth 57 25 40.3 1.1 .58 .02 -1.28 2.90 Grand Marais 58 26 43.5 2.8 1.81 1.16 .57 1.88 Hibbing 54 25 38.4 1.7 .51 .04 96 1.57 MCDIST 4 Alexandria 61 22 41.9 1.0 .14 31 -1.33 -2.74 Breckenridge 59 23 40.6 .5 .06 40 44 -4.28 Browns Valley 61 20 39.7 -2.5 .29 -18 69 -2.93 Morris 59 22 40.9 -1 .07 -43 -11.0 -6.20 Wheaton		50	10	34.0	-3.2	.00	. 50	1.79111	- • I OIII
Net Falls S2 15 35.6 -1.4 1.12 .72 .94 -1.15 NE DIST 3 Duluth 57 25 40.3 1.1 .58 .02 -1.28 2.90 Grand Marais 58 26 43.5 2.8 1.81 1.16 .57 1.88 Hibbing 54 25 38.4 1.7 .51 .04 96 1.57 NEC DIST 4 Alexandria 61 22 41.9 1.0 .14 -31 -1.33 -2.74 Breckenridge 59 23 40.6 .5 .06 40 44 -4.28 Browns Valley 58 18 39.9 -1.7 .10 31 50 -5.58 Canby 63 25 41.5 -1.7 .37 -11 .19 -4.51 Montevideo 61 20 39.7 -2.5 .29 -118 69 -2.93 Morris 59 24 41.0 3 .12 29 .21 -1.49 CENT DIST 5 Ecker 68 28 45.1 2.2 .53 -01 -1.88 -2.25 Collegeville 59 25 43.6 3 .51 -0.5 -1.75 -2.88 Hutchinson 65 24 43.4 .6 .50 .08 -1.10 .37 Malenta 58 23 40.6 .13 .23 .37 -1.35 -1.66 Millmar 60 22 41.8 -1.0 .39 -0.9 -1.37 -5.62 ECDIST 6 Millmar 60 22 41.8 -1.0 .39 -0.9 -1.37 -5.62 ECDIST 6 Millmar 65 24 42.6 2.4 .54 -0.3 -1.91 9.40m Forest Lake 70 27 45.7 1.7 1.56 .99 -7.3 .68 MSP Airport 65 24 42.6 2.4 .54 -0.3 -1.91 9.40m Forest Lake 70 27 45.7 1.7 1.56 .99 -7.3 .68 MSP Airport 65 24 42.6 2.4 .54 -0.1 -1.70 .19 9.40m Forest Lake 70 27 45.7 1.7 1.56 .99 -7.3 .68 MSP Airport 65 24 42.6 2.4 .54 -0.1 -1.70 .19 9.40m Forest Lake 70 27 45.7 1.7 1.56 .99 -7.3 .68 MSP Airport 65 24 42.6 2.4 .54 -0.1 -1.70 .19 .28 -2.80 Marshall 63 25 41.8 -1.0 .30 .50 -1.03 -2.80 Marshall 63 25 41.8 -1.4 .20 .22 -64 -3.42m Forest 80 Marshall 63 25 46.8 2.9 .55 .12 -91 -2.10 .50 .92 -1.05 .70		5 6	0.5	2	1 6	F 0	0.0	1 0 6	- 15
NE DIST 3 Duluth	-								
Duluth		52	15	35.6	-1.4	1.12	. 72	.94	-1.15
Grand Marais	·								
Hibbing S4 25 38.4 1.7 51 0.04 -96 1.57 MC DIST 4 Alexandria 61 22 41.9 1.0 51 0.06 -40 -44 -4.28 Browns Valley 58 18 39.9 -1.7 1.0 -31 -5.0 -5.58 Canby 63 25 41.5 -1.7 37 -11 1.9 -4.51 Montevideo 61 20 39.7 -2.5 2.9 -1.8 -6.9 -2.93 Morris 59 22 40.9 -1 0.07 -4.3 -1.10 -6.20 Wheaton 59 24 41.0 -3 1.2 -2.9 21 -1.49 CENT DIST 5 Becker 68 28 45.1 2.2 53 -0.01 -1.88 -2.25 Collegeville 59 25 43.6 -3 51 -0.5 -1.75 -2.88 Hutchinson 65 24 43.4 6 50 0.8 -1.10 37 Melrose 58 23 42.2 1.6 5.0 0.8 -1.10 37 Melrose 58 23 42.2 1.6 5.0 0.8 -1.57 -3.05 Madena 58 24 42.0 -7 3.5 -0.7 -1.35m -4.98m St. Cloud 60 23 42.6 1.1 5.6 0.8 -1.57 -3.05 Madena 58 23 40.6 1.3 23 -3.7 -1.35 1.66 Willmar 60 22 41.8 -1.0 39 -0.9 -1.37 -5.62 ECDIST 6 Aitkin 65 24 42.6 2.4 5.4 -0.3 -1.91 9.40m Forest Lake 70 27 45.7 1.7 1.56 9.99 -7.3 6.8 MSP Airport 65 28 45.7 1.0 1.01 5.0 -9.2 -0.6 Mora 64 24 43.8 2.9 5.4 -0.1 -1.70 1.9 St. Paul - UofM 70 29 45.7 1.7 1.56 9.99 -7.3 -68 MSP Airport 65 28 45.7 1.0 1.01 5.0 -9.2 -0.6 Mora 64 24 43.8 2.9 5.4 -0.1 -1.70 1.9 St. Paul - UofM 70 29 45.7 1.7 1.56 9.99 -7.3 -68 MSP DIST 7 Lamberton 64 22 41.9 -1.2 1.1 -2.8 -9.2 -2.89 Marshall 63 24 43.8 2.9 5.5 1.2 -9.1 -2.10 Worthington 62 24 43.8 2.2 5.5 1.2 -9.1 -2.10 Worthington 62 24 43.8 2.2 5.5 1.2 -9.1 -2.10 Worthington 70 25 46.8 2.6 1.57 1.09 5.985 -5.26 EDIST 8 North Mankato 72 32 45.5 1.2 74 2.2 -1.03 -2.80 EDIST 8 North Mankato 72 32 45.5 1.2 74 2.5 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.09 5.985 -5.26 EDIST 9 Cannon Falls 69 20 45.9 2.8 1.18 6.946 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.02 5.619 -7.00 Rosemount 72 26 47.1 3.4 8.8 2.8 -1.47 -4.33 Winona Dam 69 29 50.0 4.6 5.33 4.6 1.38 5.90 1.42 -5.31									
WC DIST 4 Alexandria		58		43.5					1.88
Alexandria 61 22 41.9 1.0 1.431 -1.33 -2.74 Breckenridge 59 23 40.6 .5 0.64044 -4.28 Browns Valley 58 18 39.9 -1.7	Hibbing	54	25	38.4	1.7	.51	.04	96	1.57
Breckenridge	WC DIST 4								
Browns Valley	Alexandria	61	22	41.9	1.0	.14	31 -	-1.33	-2.74
Canby	Breckenridge	59	23	40.6	.5	.06	40	44	-4.28
Canby	Browns Vallev	58	18	39.9	-1.7	.10	31	50	-5.58
Montevideo 61 20 39.7 -2.5 .29 18 69 -2.93 Morris 59 22 40.9 1 .07 43 -1.10 -6.20 Wheaton 59 24 41.0 3 .12 29 .21 -1.49 CENT DIST 5 Becker 68 28 45.1 2.2 .53 01 -1.88 -2.25 Collegeville 59 25 43.6 3 .51 05 -1.75 -2.88 Hutchinson 65 24 43.4 .6 .50 .08 -1.10 .37 Melrose 58 23 42.2 1.6 .74 .20 -1.44 -2.50 Olivia 64 22 42.6 1.1 .56 .08 -1.57 -3.05 Wadena 38 23 40.6 1.3 .23 -3.7 -1.35 1.66 will William 65 <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	_								
Morris 59 22 40.9 1 .07 43 -1.10 -6.20 Wheaton 59 24 41.0 3 .12 29 .21 -1.49 CENT DIST 5 Becker 68 28 45.1 2.2 .53 01 -1.88 -2.25 Collegeville 59 25 43.6 3 .51 05 -1.75 -2.88 Hutchinson 65 24 43.4 .6 .50 .08 -1.10 .37 Melrose 58 23 42.2 1.6 .74 .20 -1.44 -2.50 Olivia 64 22 42.0 7 .35 07 -1.39m -4.98m St. Cloud 60 23 42.6 1.1 .56 .08 -1.57 -3.05 Wadena 58 23 40.6 1.3 .23 07 -1.35 1.66 Willmar 60 22 <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	-								
Wheaton 59 24 41.0 3 .12 29 .21 -1.49 CENT DIST 5 Becker 68 28 45.1 2.2 .53 01 -1.88 -2.25 Collegeville 59 25 43.6 3 .51 05 -1.75 -2.88 Hutchinson 65 24 43.4 .6 .50 .08 -1.10 .37 Melrose 58 23 42.2 1.6 .74 .20 -1.44 -2.50 Olivia 64 22 42.0 7 .35 07 -1.39m -4.98m St. Cloud 60 23 42.6 1.1 .56 .08 -1.57 -3.05 Wadena 58 23 40.6 1.3 .23 37 -1.35m -4.98m St. Cloud 60 22 41.8 -1.0 .39 -0.97 -3.73 .56 EDIST B 2.1 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>									
CENT DIST 5 Becker									
Becker 68 28 45.1 2.2 53 01 -1.88 -2.25 Collegeville 59 25 43.6 3 .51 05 -1.75 -2.88 Hutchinson 65 24 43.4 .6 .50 .08 -1.10 .37 Melrose 58 23 42.2 1.6 .74 .20 -1.44 -2.50 Olivia 64 22 42.0 7 .35 07 -1.39m -4.98m St. Cloud 60 23 42.6 1.1 .56 .08 -1.57 -3.05 Wadena 58 23 40.6 1.3 .23 37 -1.35 1.66 Willmar 60 22 41.8 -1.0 .39 09 -1.37 -5.62 EC DIST 6 24 42.6 2.4 .54 03 -1.91 9.40m Forest Lake 70 27 45.7		33	24	41.0	5	• 1 2	2 9	• ∠ ⊥	-1.49
Collegeville 59 25 43.63 .5105 -1.75 -2.88 Hutchinson 65 24 43.4 .6 .50 .08 -1.10 .37 Melrose 58 23 42.2 1.6 .74 .20 -1.44 -2.50 Olivia 64 22 42.07 .3507 -1.39m -4.98m St. Cloud 60 23 42.6 1.1 .56 .08 -1.57 -3.05 Wadena 58 23 40.6 1.3 .2337 -1.35 1.66 Willmar 60 22 41.8 -1.0 .3909 -1.37 -5.62 EC DIST 6 Aitkin 65 24 42.6 2.4 .5403 -1.91 9.40m Forest Lake 70 27 45.7 1.7 1.56 .9973 .68 MSP Airport 65 28 45.7 1.0 1.01 .509206 Mora 64 24 43.8 2.9 .5401 -1.70 .19 St. Paul - UofM 70 29 45.7 1.7 1.09 .52 -1.03 -2.80 SW DIST 7 Lamberton 64 22 41.9 -1.2 .112892 -2.89 Marshall 63 25 41.8 -1.4 .202264 -3.42m Pipestone 62 14 39.2 -3.0 .15309426 Redwood Falls 63 24 43.8 .2 .55 .1291 -2.10 Worthington 66 24 41.6 -1.7 .300893 -6.46 SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.09 .5985 -5.26 SE DIST 9 Cannon Falls 69 20 45.9 2.8 1.18 .6946 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.1417 4.80 Rochester 72 27 49.4 5.1 1.02 .5619 -7.00 Rosemount 72 26 47.1 3.4 88 2.8 -1.4743 Winnon Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31		C 0	2.0	4E 1	2 2	E 2	0.1	1 00	2 25
Hutchinson 65 24 43.4 .6 .50 .08 -1.10 .37 Melrose 58 23 42.2 1.6 .74 .20 -1.44 -2.50 Olivia 64 22 42.07 .3507 -1.39m -4.98m St. Cloud 60 23 42.6 1.1 .56 .08 -1.57 -3.05 Wadena 58 23 40.6 1.3 .2337 -1.35 1.66 Willmar 60 22 41.8 -1.0 .3909 -1.37 -5.62 EC DIST 6 Aitkin 65 24 42.6 2.4 .5403 -1.91 9.40m Forest Lake 70 27 45.7 1.7 1.56 .9973 .68 MSP Airport 65 28 45.7 1.0 1.01 .509206 Mora 64 24 43.8 2.9 .5401 -1.70 .19 St. Paul - UofM 70 29 45.7 1.7 1.09 .52 -1.03 -2.80 SW DIST 7 Lamberton 64 22 41.9 -1.2 .112892 -2.89 Marshall 63 25 41.8 -1.4 .202264 -3.42m Pipestone 62 14 39.2 -3.0 .15309426 Redwood Falls 63 24 43.8 .2 .55 .1291 -2.10 Worthington 66 24 41.6 -1.7 .300893 -6.46 SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.09 .59 -8.5 -5.26 SE DIST 9 Cannon Falls 69 20 45.9 2.8 1.18 .6946 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.1417 4.80 Rochester 72 27 49.4 5.1 1.02 .5619 -7.00 Rosemount 72 26 47.1 3.4 88 .28 2.6 1.7743 Winnon Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31									
Melrose 58 23 42.2 1.6 .74 .20 -1.44 -2.50 Olivia 64 22 42.0 7 .35 07 -1.39m -4.98m St. Cloud 60 23 42.6 1.1 .56 .08 -1.57 -3.05 Wadena 58 23 40.6 1.3 .23 37 -1.35 1.66 Willmar 60 22 41.8 -1.0 .39 09 -1.37 -5.62 EC DIST 6 Aitkin 65 24 42.6 2.4 .54 03 -1.91 9.40m Forest Lake 70 27 45.7 1.7 1.56 .99 73 .68 MSP Airport 65 28 45.7 1.0 1.01 .50 -92 -06 Mora 64 24 43.8 2.9 .54 01 -1.70 .19 St. Paul - Uoffm 70 29<	-								
Olivia 64 22 42.07							.08 -	-1.10	
St. Cloud 60 23 42.6 1.1 .56 .08 -1.57 -3.05 Wadena 58 23 40.6 1.3 .23 37 -1.35 1.66 Willmar 60 22 41.8 -1.0 .39 09 -1.37 -5.62 EC DIST 6 Aitkin 65 24 42.6 2.4 .54 03 -1.91 9.40m Forest Lake 70 27 45.7 1.7 1.56 .99 73 .68 MSP Airport 65 28 45.7 1.0 1.01 .50 -92 06 Mora 64 24 43.8 2.9 .54 01 -1.70 .19 St. Paul - UofM 70 29 45.7 1.7 1.09 .52 -1.03 -2.80 SW DIST 7 Lamberton 64 22 41.9 -1.2 .11 -2.28 -92 -2.89									
Wadena 58 23 40.6 1.3 .23 37 -1.35 1.66 Willmar 60 22 41.8 -1.0 .39 09 -1.37 -5.62 EC DIST 6 Aitkin 65 24 42.6 2.4 .54 03 -1.91 9.40m Forest Lake 70 27 45.7 1.7 1.56 .99 73 .68 MSP Airport 65 28 45.7 1.0 1.01 .50 92 06 Mora 64 24 43.8 2.9 .54 01 -1.70 .19 St. Paul - UofM 70 29 45.7 1.7 1.09 .52 -1.03 -2.80 SW DIST 7 Lamberton 64 22 41.8 -1.4 .20 22 64 -3.42m Pipestone 62 14 39.2 -3.0 .15 30 94 26 <t< td=""><td></td><td>64</td><td>22</td><td>42.0</td><td></td><td></td><td></td><td></td><td></td></t<>		64	22	42.0					
Willmar 60 22 41.8 -1.0 .39 09 -1.37 -5.62 EC DIST 6 Aitkin 65 24 42.6 2.4 .54 03 -1.91 9.40m Forest Lake 70 27 45.7 1.7 1.56 .99 73 .68 MSP Airport 65 28 45.7 1.0 1.01 .50 92 06 Mora 64 24 43.8 2.9 .54 01 -1.70 .19 St. Paul - UofM 70 29 45.7 1.7 1.09 .52 -1.03 -2.80 SW DIST 7 2 1.09 .52 -1.03 -2.80 -2.80 -2.80 SW DIST 7 1.09 -1.2 .11 28 92 -2.80 -2.80 Marshall 63 25 41.8 -1.4 .20 22 64 -3.42m 26 Redwood Falls 63 24 43.8 .2 .55 .12 91 -2.10 <t< td=""><td>St. Cloud</td><td>60</td><td>23</td><td>42.6</td><td>1.1</td><td>.56</td><td>.08 -</td><td>-1.57</td><td>-3.05</td></t<>	St. Cloud	60	23	42.6	1.1	.56	.08 -	-1.57	-3.05
EC DIST 6 Aitkin 65 24 42.6 2.4 .5403 -1.91 9.40m Forest Lake 70 27 45.7 1.7 1.56 .9973 .68 MSP Airport 65 28 45.7 1.0 1.01 .509206 Mora 64 24 43.8 2.9 .5401 -1.70 .19 St. Paul - UofM 70 29 45.7 1.7 1.09 .52 -1.03 -2.80 SW DIST 7 Lamberton 64 22 41.9 -1.2 .112892 -2.89 Marshall 63 25 41.8 -1.4 .202264 -3.42m Pipestone 62 14 39.2 -3.0 .15309426 Redwood Falls 63 24 43.8 .2 .55 .1291 -2.10 Worthington 66 24 41.6 -1.7 .300893 -6.46 SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.0922 -1.55 Waseca 73 25 46.6 2.7 1.06 .50 -1.08 -8.75 Winnebago 74 25 45.8 1.4 1.09 .5985 -5.26 SE DIST 9 Cannon Falls 69 20 45.9 2.8 1.18 .6946 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.1417 4.80 Rochester 72 27 49.4 5.1 1.02 .5619 -7.00 Rosemount 72 26 47.1 3.4 .88 .28 -1.4743 Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31	Wadena	58	23	40.6	1.3	.23	37 -	-1.35	1.66
Aitkin 65 24 42.6 2.4 .5403 -1.91 9.40m Forest Lake 70 27 45.7 1.7 1.56 .9973 .68 MSP Airport 65 28 45.7 1.0 1.01 .509206 Mora 64 24 43.8 2.9 .5401 -1.70 .19 St. Paul - UofM 70 29 45.7 1.7 1.09 .52 -1.03 -2.80 SW DIST 7 Lamberton 64 22 41.9 -1.2 .112892 -2.89 Marshall 63 25 41.8 -1.4 .202264 -3.42m Pipestone 62 14 39.2 -3.0 .15309426 Redwood Falls 63 24 43.8 .2 .55 .1291 -2.10 Worthington 66 24 41.6 -1.7 .300893 -6.46 SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.0922 -1.55 Waseca 73 25 46.6 2.7 1.06 .50 -1.08 -8.75 Winnebago 74 25 45.8 1.4 1.09 .5985 -5.26 SE DIST 9 Cannon Falls 69 20 45.9 2.8 1.18 .6946 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.1417 4.80 Rochester 72 27 49.4 5.1 1.02 .5619 -7.00 Rosemount 72 26 47.1 3.4 .88 .28 -1.4743 Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31	Willmar	60	22	41.8	-1.0	.39	09 -	-1.37	-5.62
Forest Lake 70 27 45.7 1.7 1.56 .9973 .68 MSP Airport 65 28 45.7 1.0 1.01 .509206 Mora 64 24 43.8 2.9 .5401 -1.70 .19 St. Paul - UofM 70 29 45.7 1.7 1.09 .52 -1.03 -2.80 SW DIST 7 Lamberton 64 22 41.9 -1.2 .112892 -2.89 Marshall 63 25 41.8 -1.4 .202264 -3.42m Pipestone 62 14 39.2 -3.0 .15309426 Redwood Falls 63 24 43.8 .2 .55 .1291 -2.10 Worthington 66 24 41.6 -1.7 .300893 -6.46 SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.0922 -1.55 Waseca 73 25 46.6 2.7 1.06 .50 -1.08 -8.75 Winnebago 74 25 45.8 1.4 1.09 .5985 -5.26 SE DIST 9 Cannon Falls 69 20 45.9 2.8 1.18 .6946 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.1417 4.80 Rochester 72 27 49.4 5.1 1.02 .5619 -7.00 Rosemount 72 26 47.1 3.4 .88 .28 -1.4743 Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31	EC DIST 6								
Forest Lake 70 27 45.7 1.7 1.56 .9973 .68 MSP Airport 65 28 45.7 1.0 1.01 .509206 Mora 64 24 43.8 2.9 .5401 -1.70 .19 St. Paul - UofM 70 29 45.7 1.7 1.09 .52 -1.03 -2.80 SW DIST 7 Lamberton 64 22 41.9 -1.2 .112892 -2.89 Marshall 63 25 41.8 -1.4 .202264 -3.42m Pipestone 62 14 39.2 -3.0 .15309426 Redwood Falls 63 24 43.8 .2 .55 .1291 -2.10 Worthington 66 24 41.6 -1.7 .300893 -6.46 SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.0922 -1.55 Waseca 73 25 46.6 2.7 1.06 .50 -1.08 -8.75 Winnebago 74 25 45.8 1.4 1.09 .5985 -5.26 SE DIST 9 Cannon Falls 69 20 45.9 2.8 1.18 .6946 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.1417 4.80 Rochester 72 27 49.4 5.1 1.02 .5619 -7.00 Rosemount 72 26 47.1 3.4 .88 .28 -1.4743 Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31		65	24	42.6	2.4	.54	03 -	-1.91	9.40m
MSP Airport 65 28 45.7 1.0 1.01 .50 92 06 Mora 64 24 43.8 2.9 .54 01 -1.70 .19 St. Paul - UofM 70 29 45.7 1.7 1.09 .52 -1.03 -2.80 SW DIST 7 Lamberton 64 22 41.9 -1.2 .11 28 92 -2.89 Marshall 63 25 41.8 -1.4 .20 22 64 -3.42m Pipestone 62 14 39.2 -3.0 .15 30 94 26 Redwood Falls 63 24 43.8 .2 .55 .12 91 -2.10 Worthington 66 24 41.6 -1.7 .30 08 93 -6.46 SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31									
Mora 64 24 43.8 2.9 .54 01 -1.70 .19 St. Paul - UofM 70 29 45.7 1.7 1.09 .52 -1.03 -2.80 SW DIST 7 Lamberton 64 22 41.9 -1.2 .11 28 92 -2.89 Marshall 63 25 41.8 -1.4 .20 22 64 -3.42m Pipestone 62 14 39.2 -3.0 .15 30 94 26 Redwood Falls 63 24 43.8 .2 .55 .12 91 -2.10 Worthington 66 24 41.6 -1.7 .30 08 93 -6.46 SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.09 22 -1.55									
St. Paul - UofM 70 29 45.7 1.7 1.09 .52 -1.03 -2.80 SW DIST 7 Lamberton 64 22 41.9 -1.2 .11 28 92 -2.89 Marshall 63 25 41.8 -1.4 .20 22 64 -3.42m Pipestone 62 14 39.2 -3.0 .15 30 94 26 Redwood Falls 63 24 43.8 .2 .55 .12 91 -2.10 Worthington 66 24 41.6 -1.7 .30 08 93 -6.46 SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.09 22 -1.55 Waseca 73 25 46.6 2.7 1.06 .50 -1.08 -8.75 Winnebago 74 25 45.9 2.8 1.18	-								
SW DIST 7 Lamberton 64 22 41.9 -1.2 .11 28 92 -2.89 Marshall 63 25 41.8 -1.4 .20 22 64 -3.42m Pipestone 62 14 39.2 -3.0 .15 30 94 26 Redwood Falls 63 24 43.8 .2 .55 .12 91 -2.10 Worthington 66 24 41.6 -1.7 .30 08 93 -6.46 SC DIST 8 8 8 8 2 .55 .12 91 -2.10 Watonna 70 25 46.8 2.6 1.57 1.09 22 -1.55 Waseca 73 25 46.8 2.6 1.57 1.09 22 -1.55 Winnebago 74 25 45.8 1.4 1.09 .59 85 -5.26 SE DIST 9									
Lamberton 64 22 41.9 -1.2 .11 28 92 -2.89 Marshall 63 25 41.8 -1.4 .20 22 64 -3.42m Pipestone 62 14 39.2 -3.0 .15 30 94 26 Redwood Falls 63 24 43.8 .2 .55 .12 91 -2.10 Worthington 66 24 41.6 -1.7 .30 08 93 -6.46 SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.09 22 -1.55 Waseca 73 25 46.6 2.7 1.06 .50 -1.08 -8.75 Winnebago 74 25 45.8 1.4 1.09 .59 85 -5.26 SE DIST 9 Cannon		1 / 0	23	43.7	1. /	1.09	. 52	-1.03	-2.00
Marshall 63 25 41.8 -1.4 .20 22 64 -3.42m Pipestone 62 14 39.2 -3.0 .15 30 94 26 Redwood Falls 63 24 43.8 .2 .55 .12 91 -2.10 Worthington 66 24 41.6 -1.7 .30 08 93 -6.46 SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.09 22 -1.55 Waseca 73 25 46.6 2.7 1.06 .50 -1.08 -8.75 Winnebago 74 25 45.8 1.4 1.09 .59 85 -5.26 SE DIST 9 2 1.18 .69 46 6.02m Preston 72 19 48.6	·		0.0	41 0	1 0		0.0	0.0	0 00
Pipestone 62 14 39.2 -3.0 .15 30 94 26 Redwood Falls 63 24 43.8 .2 .55 .12 91 -2.10 Worthington 66 24 41.6 -1.7 .30 08 93 -6.46 SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.09 22 -1.55 Waseca 73 25 46.6 2.7 1.06 .50 -1.08 -8.75 Winnebago 74 25 45.8 1.4 1.09 .59 85 -5.26 SE DIST 9 Cannon Falls 69 20 45.9 2.8 1.18 .69 46 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50									
Redwood Falls 63 24 43.8 .2 .55 .1291 -2.10 Worthington 66 24 41.6 -1.7 .300893 -6.46 SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.0922 -1.55 Waseca 73 25 46.6 2.7 1.06 .50 -1.08 -8.75 Winnebago 74 25 45.8 1.4 1.09 .5985 -5.26 SE DIST 9 Cannon Falls 69 20 45.9 2.8 1.18 .6946 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.1417 4.80 Rochester 72 27 49.4 5.1 1.02 .5619 -7.00 Rosemount 72 26 47.1 3.4 .88 .28 -1.4743 Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31									
Worthington 66 24 41.6 -1.7 .30 08 93 -6.46 SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.09 22 -1.55 Waseca 73 25 46.6 2.7 1.06 .50 -1.08 -8.75 Winnebago 74 25 45.8 1.4 1.09 .59 85 -5.26 SE DIST 9 Cannon Falls 69 20 45.9 2.8 1.18 .69 46 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.14 17 4.80 Rosemount 72 26 47.1 3.4 .88 .28 -1.47 43	-								
SC DIST 8 North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.09 22 -1.55 Waseca 73 25 46.6 2.7 1.06 .50 -1.08 -8.75 Winnebago 74 25 45.8 1.4 1.09 .59 85 -5.26 SE DIST 9 Cannon Falls 69 20 45.9 2.8 1.18 .69 46 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.14 17 4.80 Rochester 72 27 49.4 5.1 1.02 .56 19 -7.00 Rosemount 72 26 47.1 3.4 .88 .28 -1.47 43 Winona Dam 69 29 50.0 4.6 1.38	Redwood Falls								
North Mankato 72 32 45.5 1.2 .74 .25 -1.25 -10.31 Owatonna 70 25 46.8 2.6 1.57 1.0922 -1.55 Waseca 73 25 46.6 2.7 1.06 .50 -1.08 -8.75 Winnebago 74 25 45.8 1.4 1.09 .5985 -5.26 SE DIST 9 Cannon Falls 69 20 45.9 2.8 1.18 .6946 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.1417 4.80 Rochester 72 27 49.4 5.1 1.02 .5619 -7.00 Rosemount 72 26 47.1 3.4 .88 .28 -1.4743 Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31	Worthington	66	24	41.6	-1.7	.30	08	93	-6.46
Owatonna 70 25 46.8 2.6 1.57 1.0922 -1.55 Waseca 73 25 46.6 2.7 1.06 .50 -1.08 -8.75 Winnebago 74 25 45.8 1.4 1.09 .5985 -5.26 SE DIST 9 Cannon Falls 69 20 45.9 2.8 1.18 .6946 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.1417 4.80 Rochester 72 27 49.4 5.1 1.02 .5619 -7.00 Rosemount 72 26 47.1 3.4 .88 .28 -1.4743 Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31	SC DIST 8								
Waseca 73 25 46.6 2.7 1.06 .50 -1.08 -8.75 Winnebago 74 25 45.8 1.4 1.09 .5985 -5.26 SE DIST 9 Cannon Falls 69 20 45.9 2.8 1.18 .6946 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.1417 4.80 Rochester 72 27 49.4 5.1 1.02 .5619 -7.00 Rosemount 72 26 47.1 3.4 .88 .28 -1.4743 Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31	North Mankato	72	32	45.5	1.2	.74	.25 -	-1.25 -	-10.31
Winnebago 74 25 45.8 1.4 1.09 .5985 -5.26 SE DIST 9	Owatonna	70	25	46.8	2.6	1.57	1.09	22	-1.55
Winnebago 74 25 45.8 1.4 1.09 .5985 -5.26 SE DIST 9	Waseca	73	25		2.7				
SE DIST 9 Cannon Falls 69 20 45.9 2.8 1.18 .69 46 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.14 17 4.80 Rochester 72 27 49.4 5.1 1.02 .56 19 -7.00 Rosemount 72 26 47.1 3.4 .88 .28 -1.47 43 Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31									
Cannon Falls 69 20 45.9 2.8 1.18 .6946 6.02m Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.1417 4.80 Rochester 72 27 49.4 5.1 1.02 .5619 -7.00 Rosemount 72 26 47.1 3.4 .88 .28 -1.4743 Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31	_	, -		10.0		1.03	•03	•00	0.20
Preston 72 19 48.6 4.5 1.63 1.15 1.01 -6.50 Red Wing 71 25 47.5 3.1 1.59 1.14 17 4.80 Rochester 72 27 49.4 5.1 1.02 .56 19 -7.00 Rosemount 72 26 47.1 3.4 .88 .28 -1.47 43 Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31	·	69	20	45 Q	2 8	1 1Ω	69	- 46	6 N2m
Red Wing 71 25 47.5 3.1 1.59 1.1417 4.80 Rochester 72 27 49.4 5.1 1.02 .5619 -7.00 Rosemount 72 26 47.1 3.4 .88 .28 -1.4743 Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31									
Rochester 72 27 49.4 5.1 1.02 .5619 -7.00 Rosemount 72 26 47.1 3.4 .88 .28 -1.4743 Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31									
Rosemount 72 26 47.1 3.4 .88 .28 -1.4743 Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31	_								
Winona Dam 69 29 50.0 4.6 1.38 .90 1.42 -5.31									
m=some data missing			29	50.0	4.6	1.38	.90	1.42	-5.31
	m=some data mis	sing							

The MINNESOTA WEEKLY CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the USDA-NASS Minnesota Field Office, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. POSTMASTER: Send address changes to the MINNESOTA WEEKLY CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

Address Service Requested

WEEKLY NEWS REPORT Minnesota Crop-Weather Report Publication No. 387190

PRESORTED FIRST CLASS MAIL POSTAGE & FEES PAID USDA PERMIT NO G-38